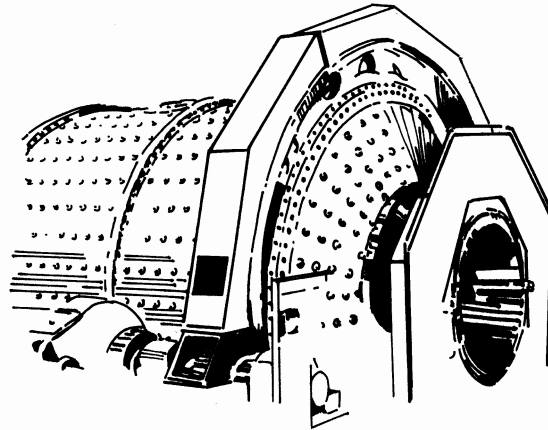


MILLS



A. Original Equipment Manufacturer (OEM)

The following is a partial listing of OEMs for mills used in the mining industry. Regardless of the type of mill (rod, ball, roller, hammer, etc.), their function is to reduce the size of the material that passes through them. The OEM mill liner is not, per se, a noise control device, but rather is designed to protect the outer shell from wear-through.

Manufacturer
Allis Chalmers
Humboldt Wedag
F. L. Smidth
Telsmith

"X" indicates product availability.

Current information from the manufacturers indicate there are no noise controls incorporated into the design of mills. Retrofit noise controls are described in Section B.

B. Retrofit Noise Controls

The construction of an acoustically-treated operator control room or booth, in conjunction with remote-controlled video cameras, should minimize the need for a miner to be near the mill(s).

The construction of a full or topless enclosure around a free-standing mill(s) has been demonstrated to be an effective method of reducing the overall noise levels for miners whose work station is in the area adjacent to the mill(s). Acoustical absorptive material may need to be installed within or above such enclosures.

Depending upon the type of milling, the utilization of rubber or synthetic liners can be very effective in reducing the overall noise levels.

C. Alternative Technology

None identified at this time.